

FIG. 1A

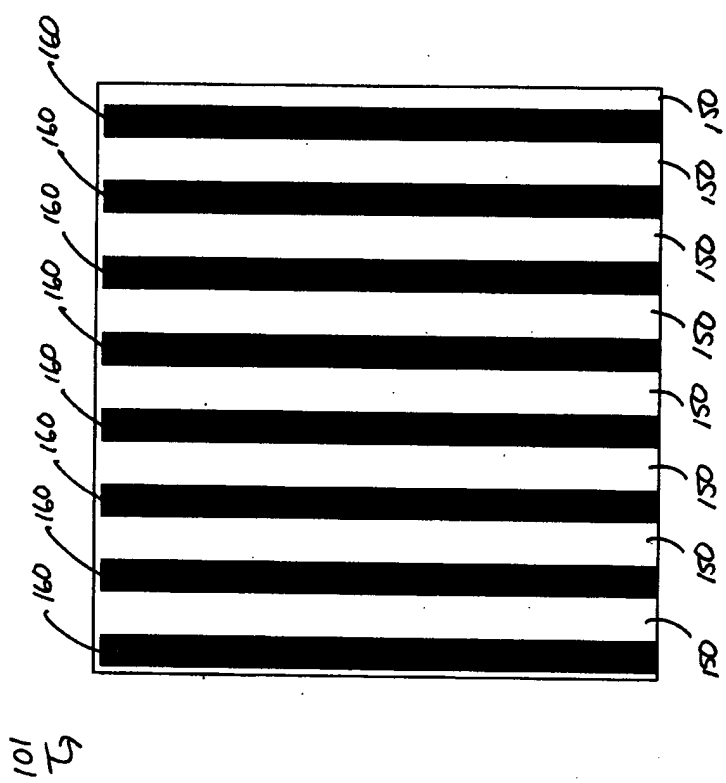
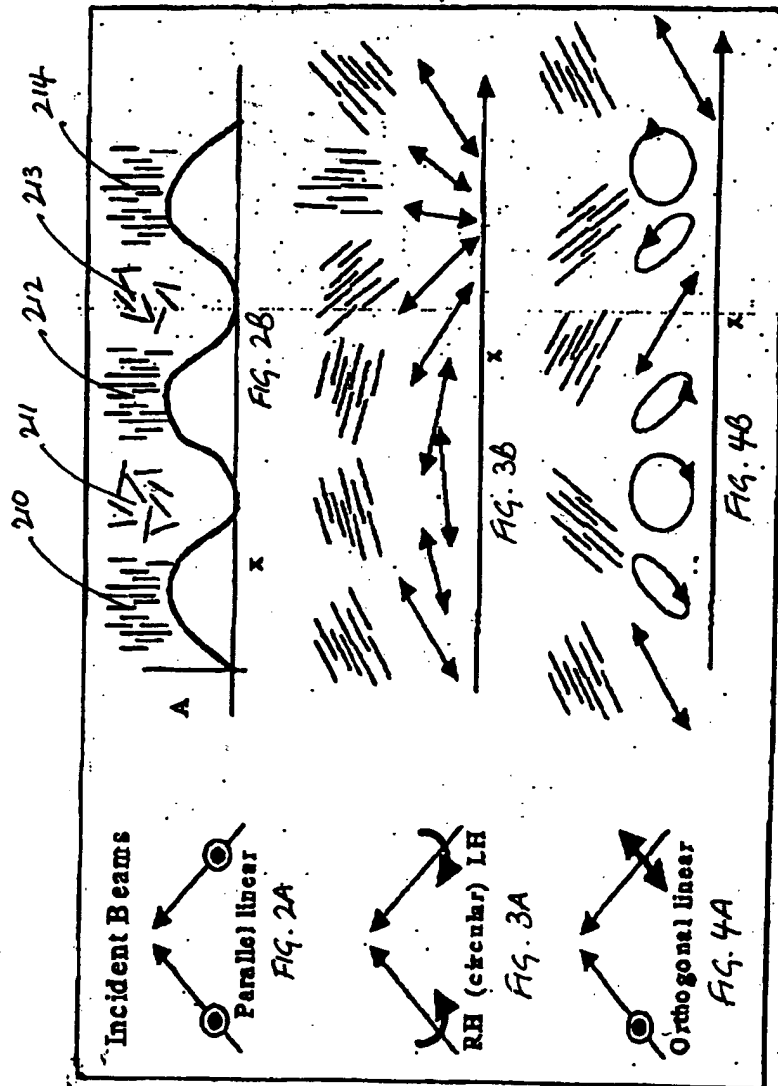


FIG. 1B



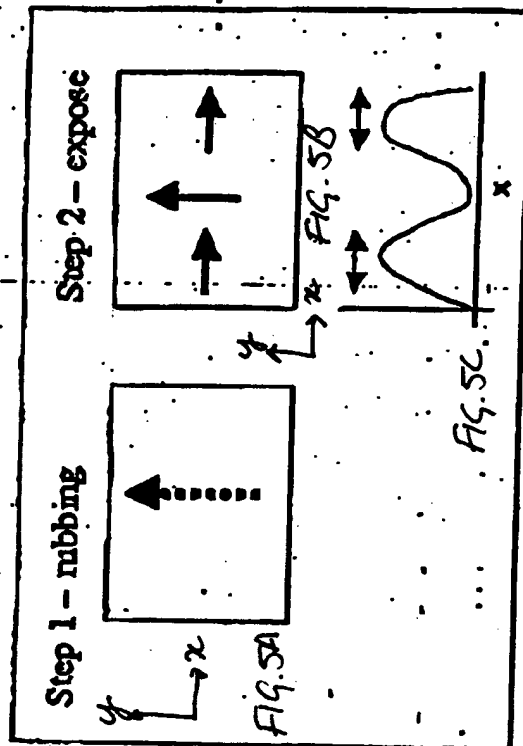


FIG. 6A

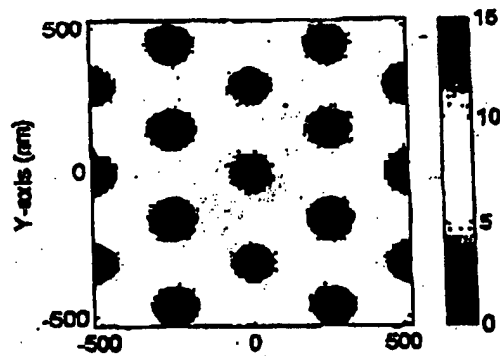
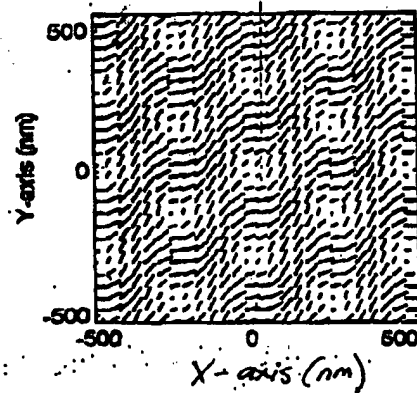


FIG. 6B



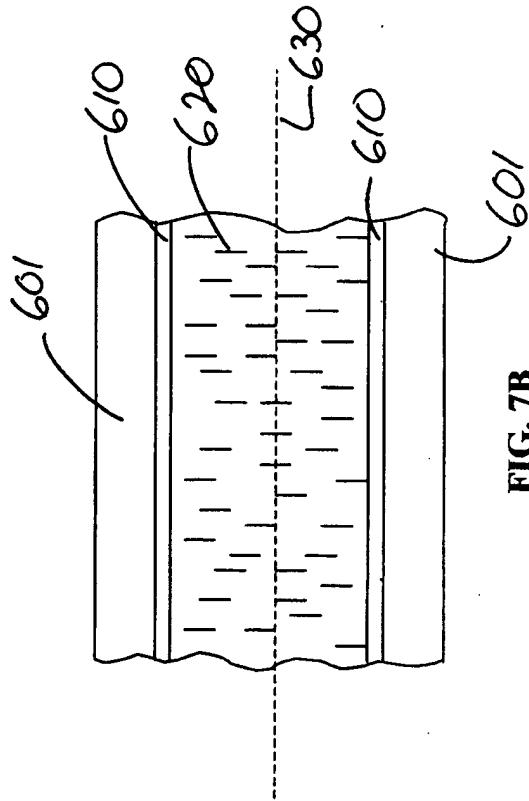


FIG. 7B

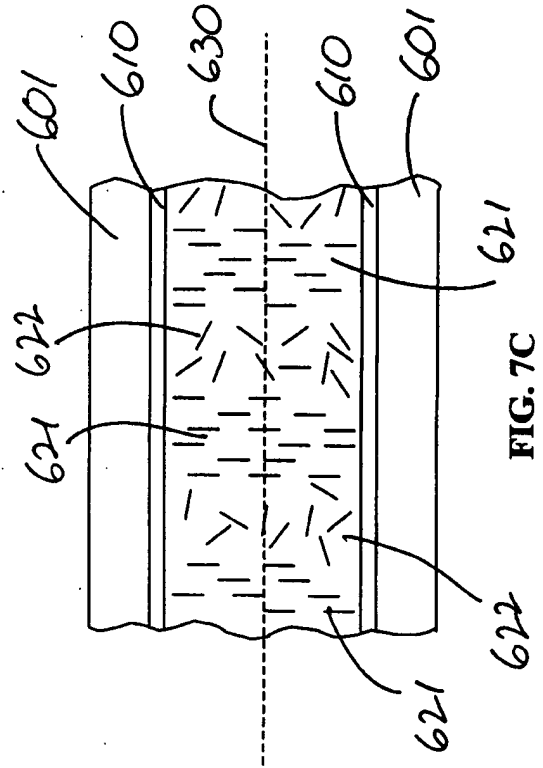


FIG. 7C

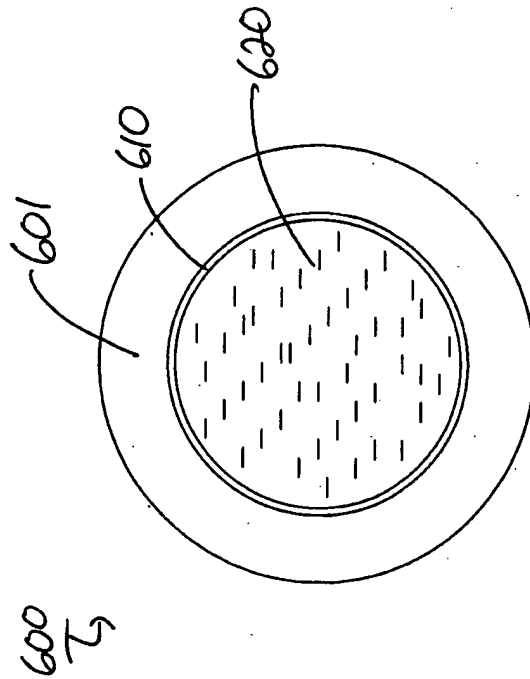


FIG. 7A

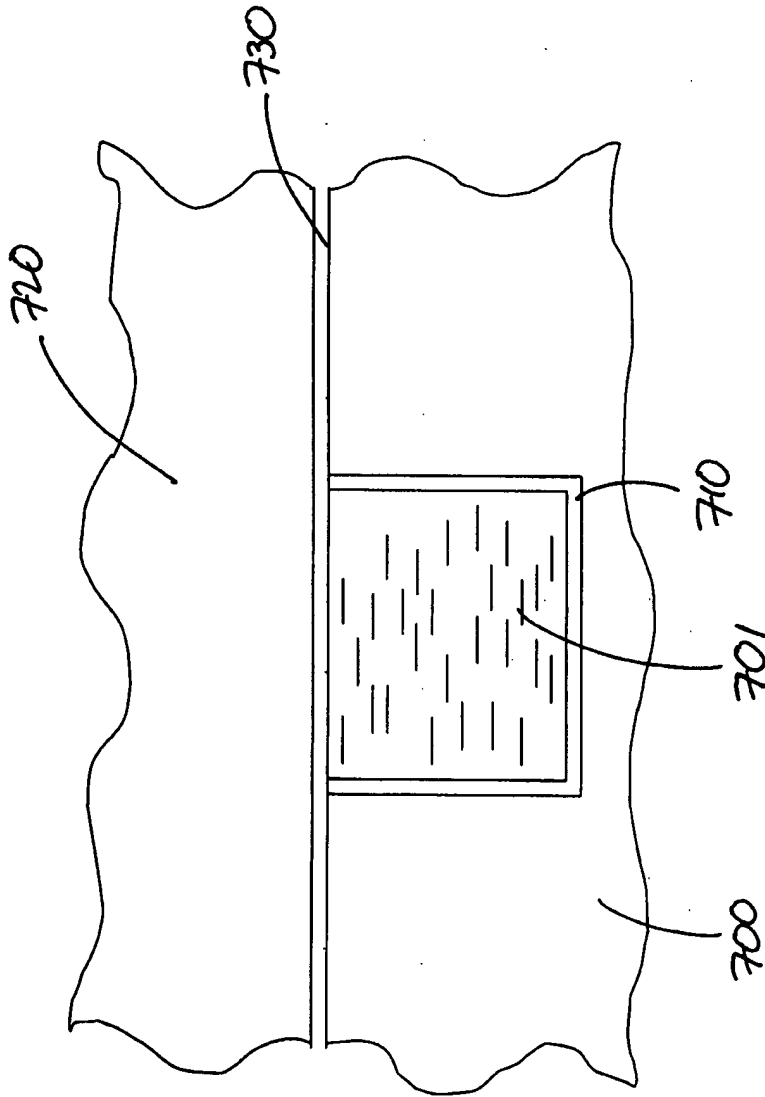


FIG. 8

FIG. 9A

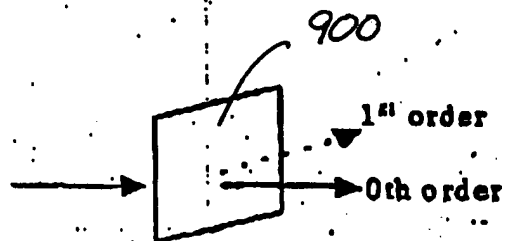


FIG. 9B

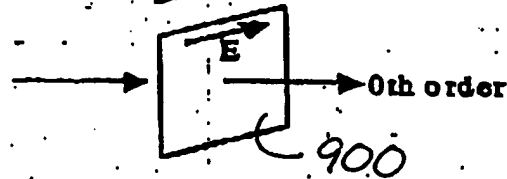
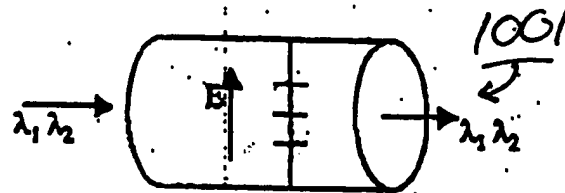


FIG. 10A



FIG. 10B





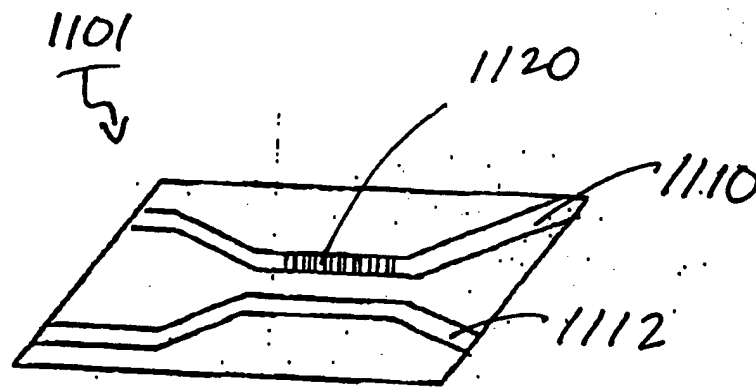


FIG. 11

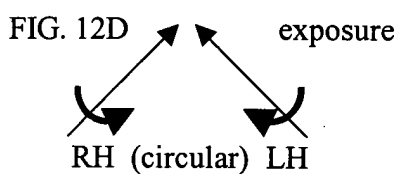
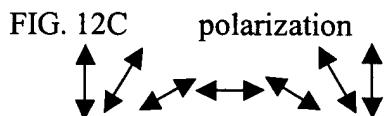
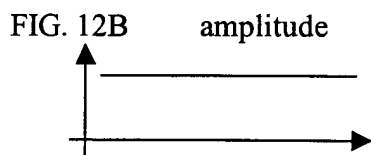
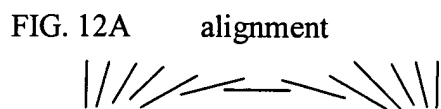


FIG. 12E Substrate 1

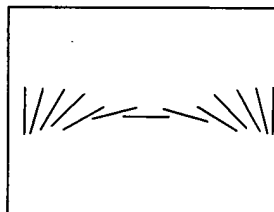


FIG. 12F Substrate 2

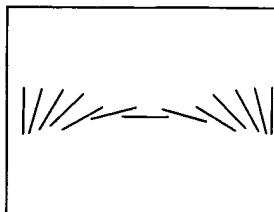


FIG. 12G

Cross-section of cell

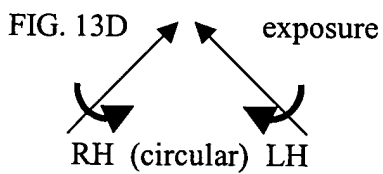
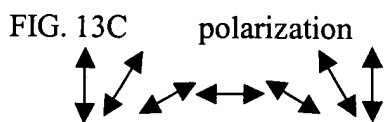
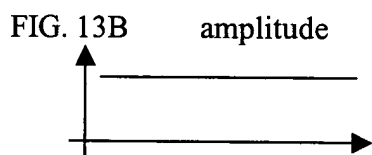
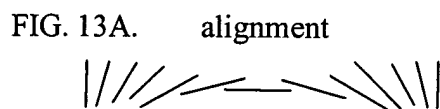
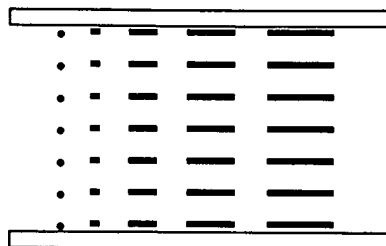


FIG. 13E Substrate 1

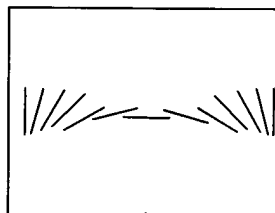


FIG. 13F Substrate 2

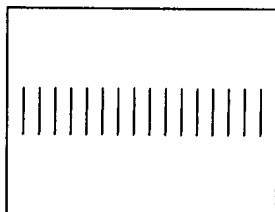
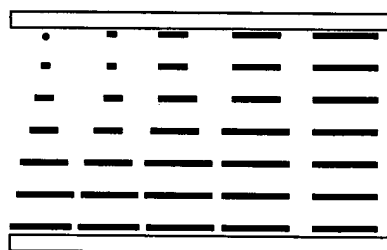


FIG. 13G

Cross-section of cell



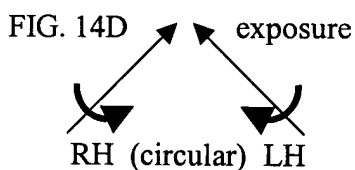
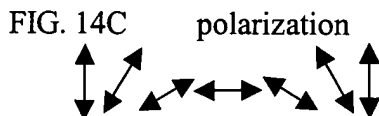
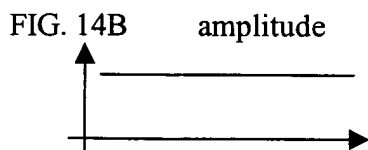
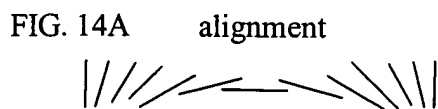


FIG. 14E Substrate 1

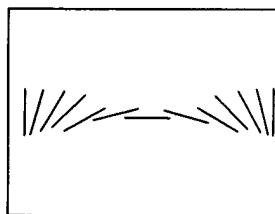


FIG. 14F Substrate 2

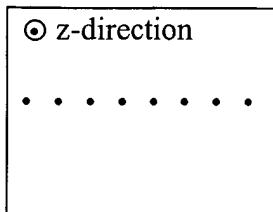


FIG. 14G

Cross-section of cell

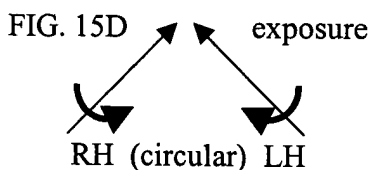
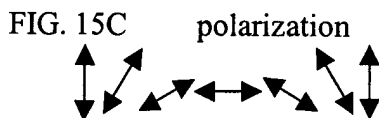
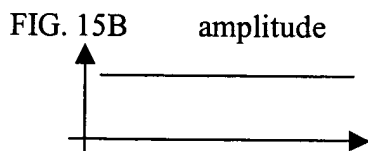
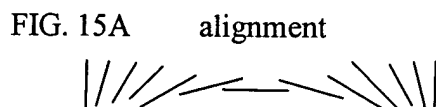
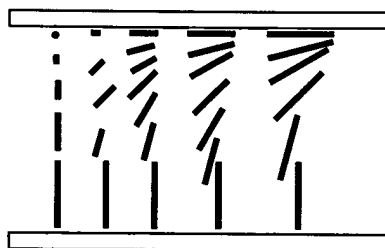


FIG. 15E Substrate 1

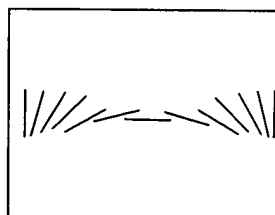


FIG. 15F Substrate 2

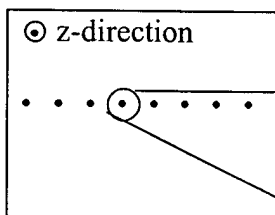


FIG. 15G

Cross-section of cell

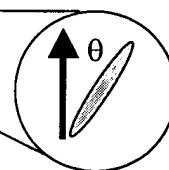
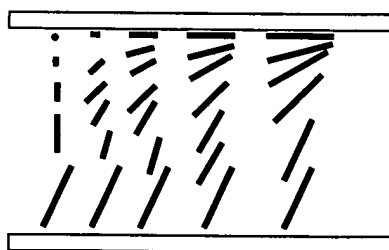


FIG. 15H

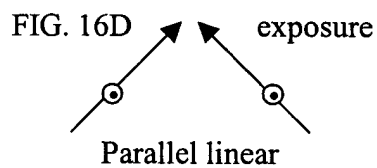
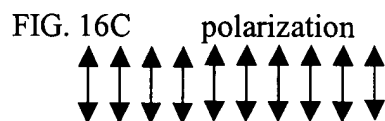
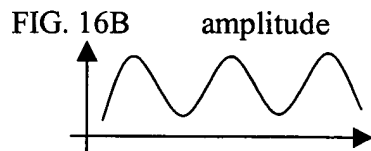
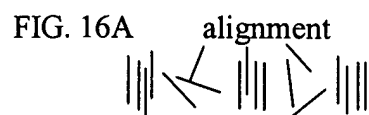


FIG. 16E Substrate 1

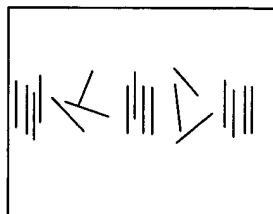


FIG. 16F Substrate 2

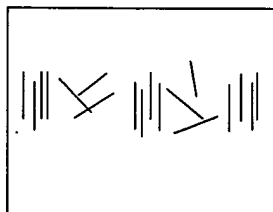


FIG. 16G

Cross-section of cell

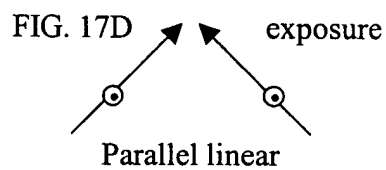
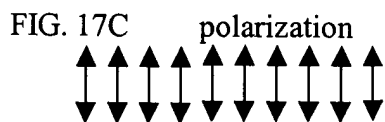
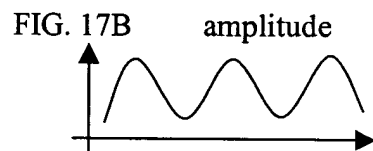
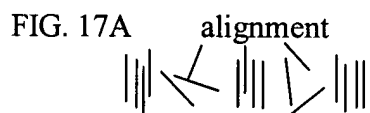
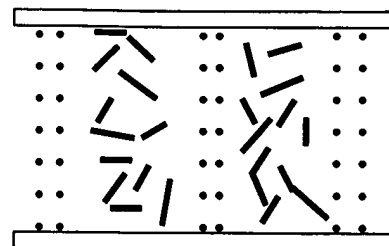


FIG. 17E Substrate 1

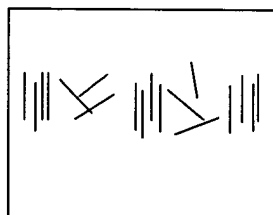


FIG. 17F Substrate 2

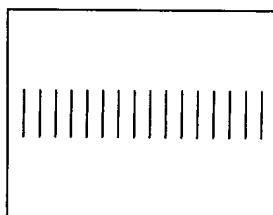
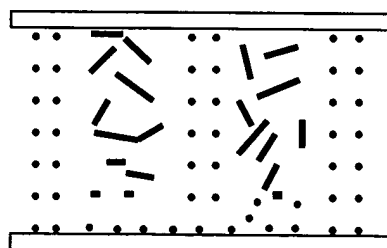


FIG. 17G

Cross-section of cell



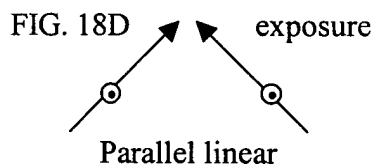
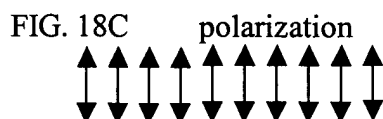
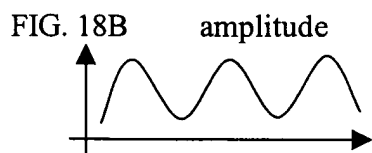
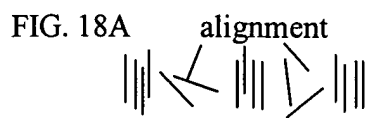


FIG. 18E Substrate 1

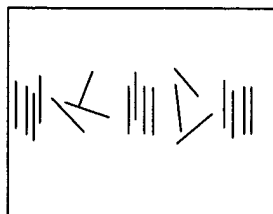


FIG. 18F Substrate 2

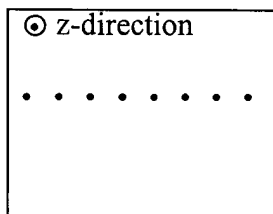


FIG. 18G

Cross-section of cell

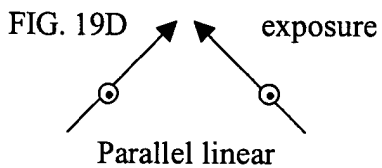
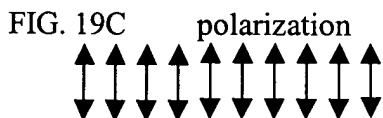
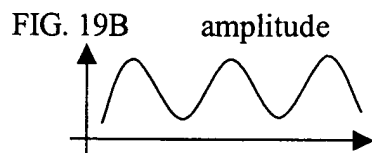
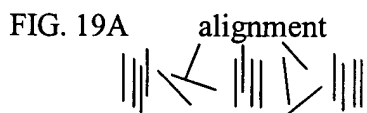
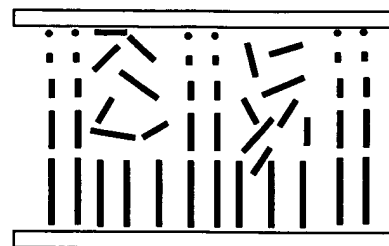


FIG. 19E Substrate 1

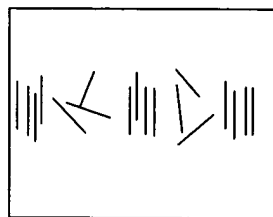


FIG. 19F Substrate 2

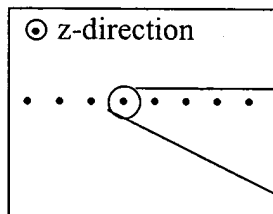


FIG. 19G

Cross-section of cell

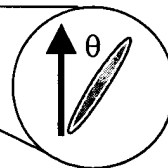
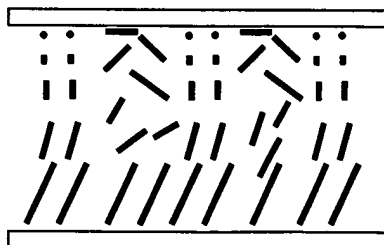
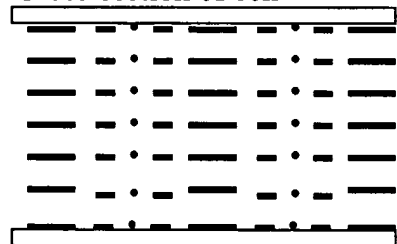


FIG. 19H



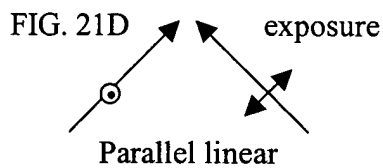
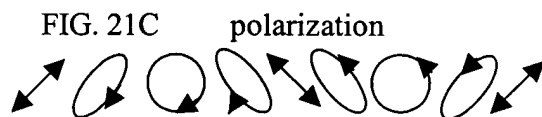
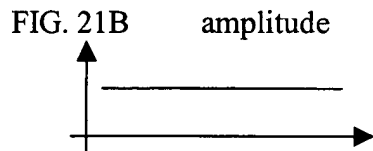
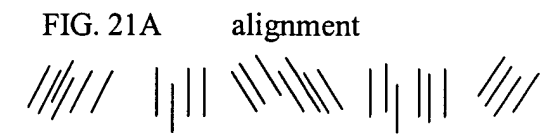


FIG. 21E Substrate 1

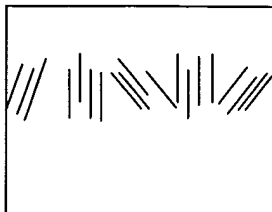


FIG. 21F Substrate 2

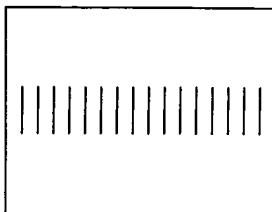


FIG. 21G

Cross-section of cell

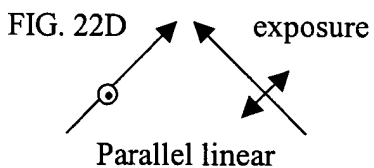
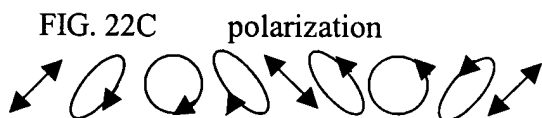
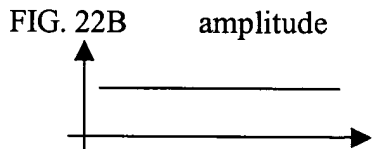
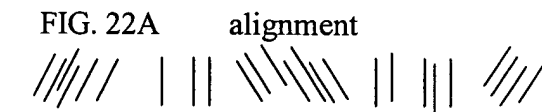
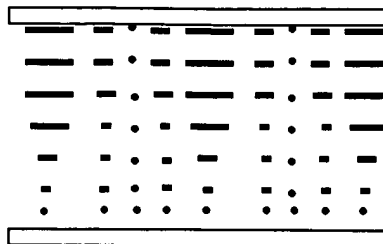


FIG. 22E Substrate 1

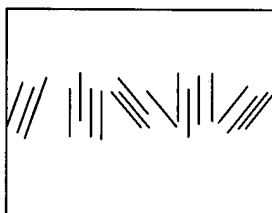


FIG. 22F Substrate 2

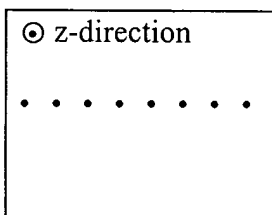
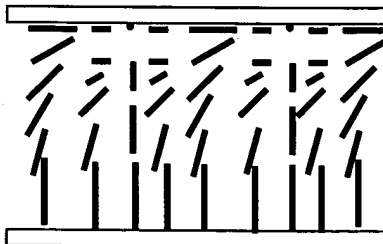
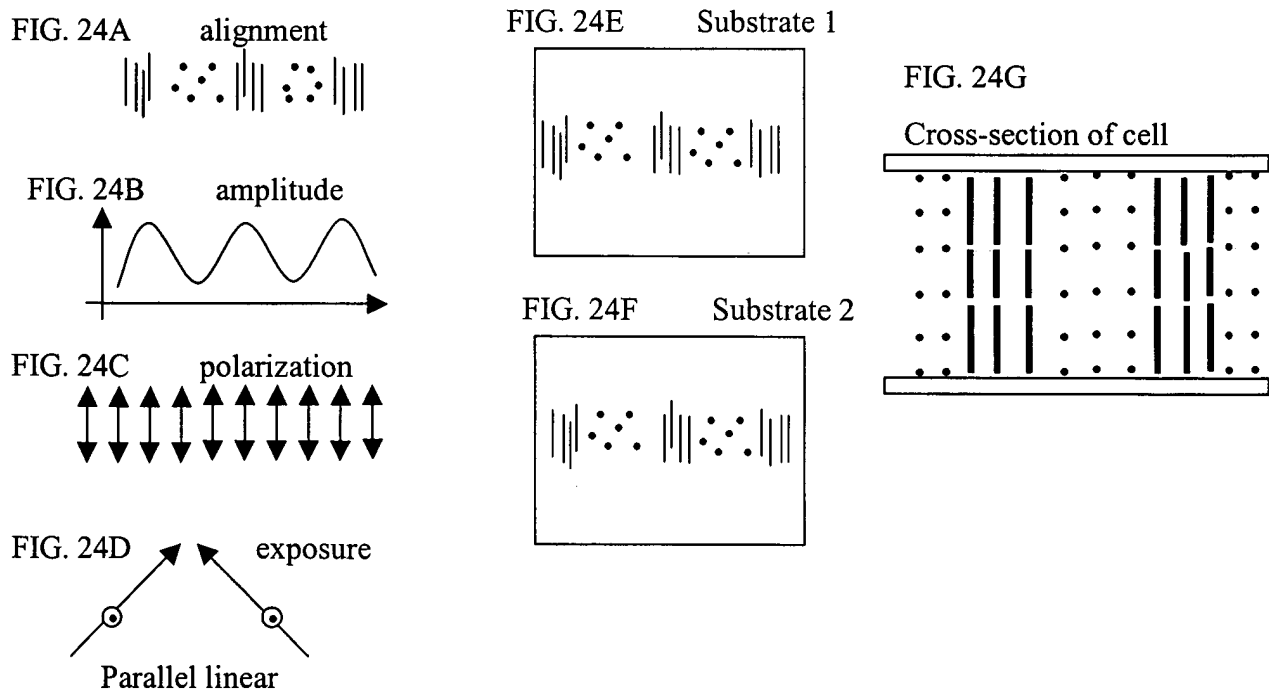
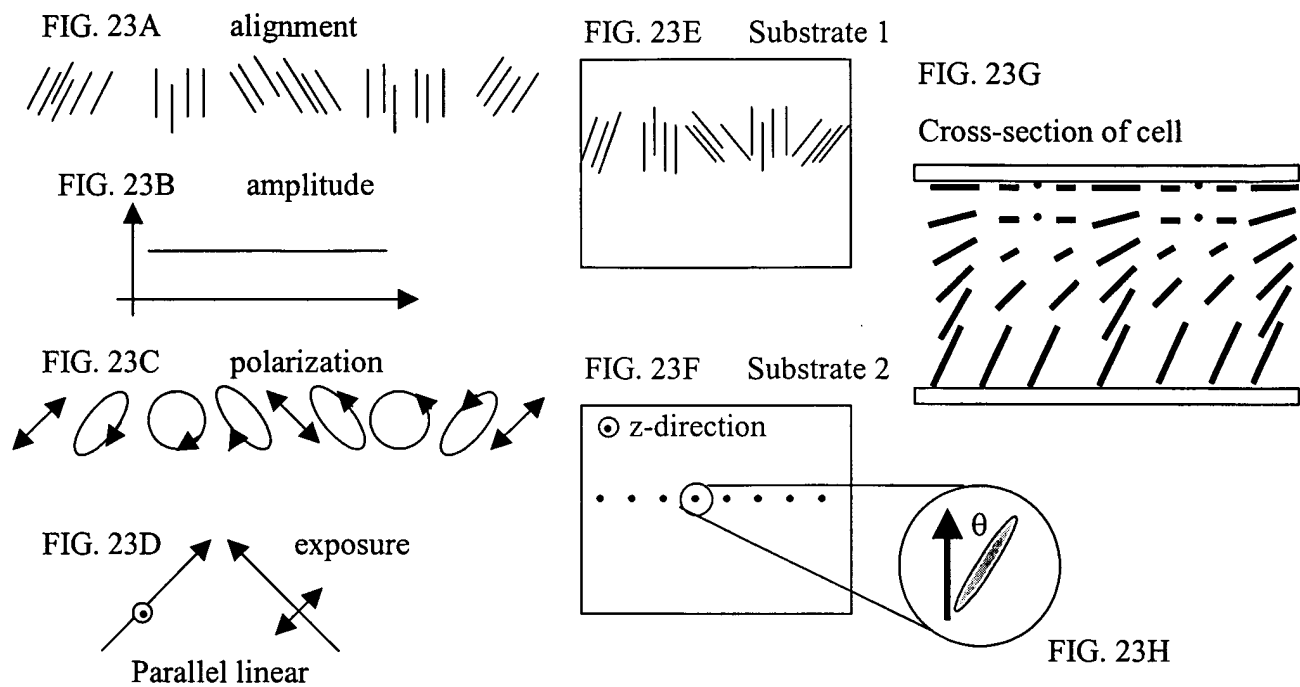


FIG. 22G

Cross-section of cell







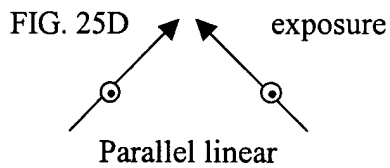
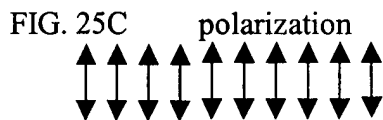
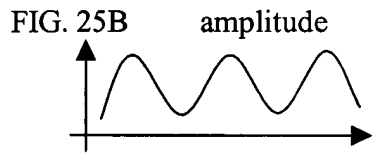
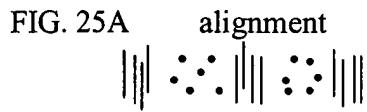


FIG. 25E Substrate 1

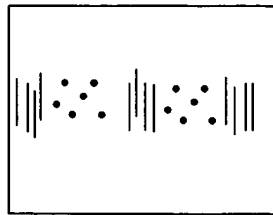


FIG. 25F Substrate 2

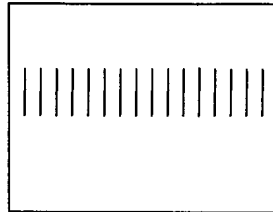


FIG. 25G

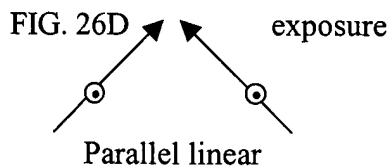
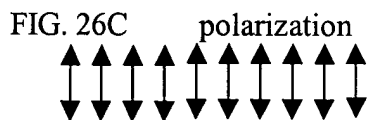
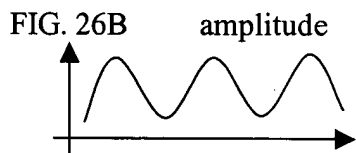
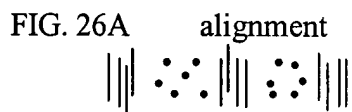
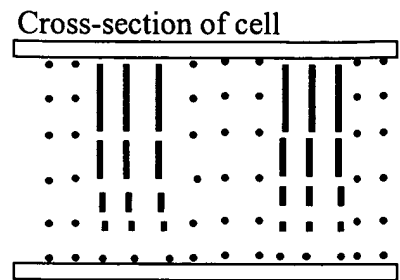


FIG. 26E Substrate 1

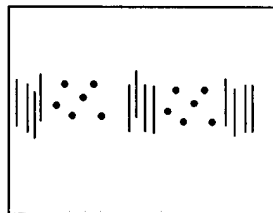


FIG. 26F Substrate 2

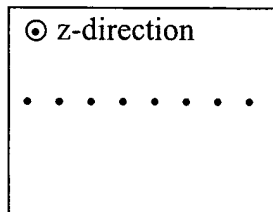
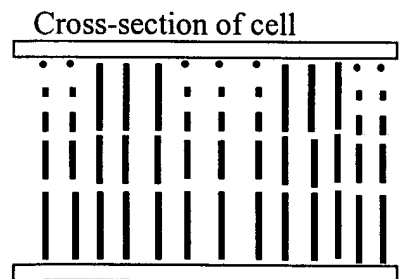


FIG. 26G



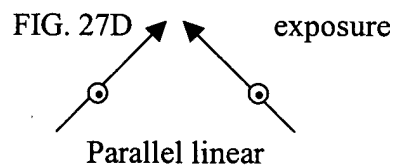
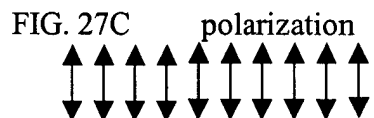
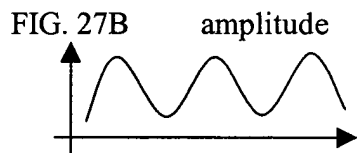
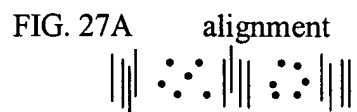


FIG. 27E Substrate 1

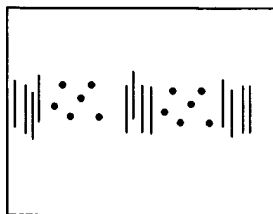


FIG. 27G

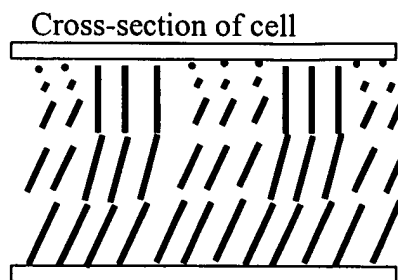


FIG. 27F Substrate 2

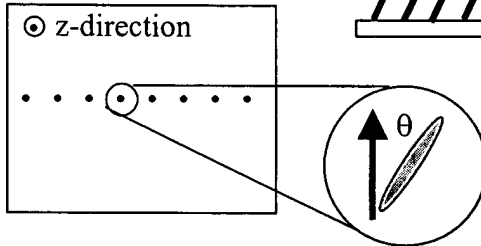


FIG. 27H

FIG. 28A alignment



FIG. 28B amplitude

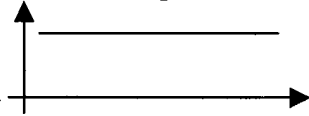


FIG. 28C polarization

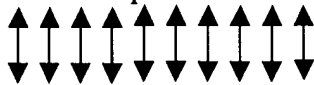


FIG. 28D exposure

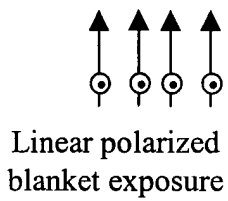


FIG. 28E alignment

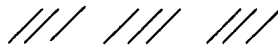


FIG. 28F amplitude

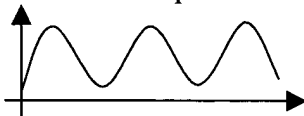


FIG. 28G polarization



FIG. 28H exposure

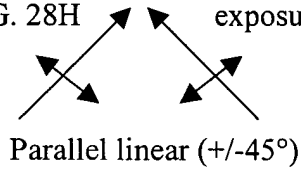


FIG. 28I Substrate 1

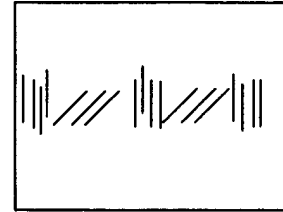


FIG. 29J Substrate 2

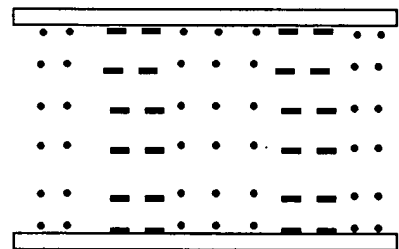
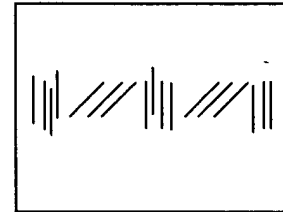


FIG. 28K

Cross-section of cell

FIG. 29A alignment  
 $\odot$  z-direction

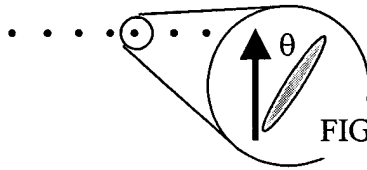


FIG. 29L

FIG. 29E alignment

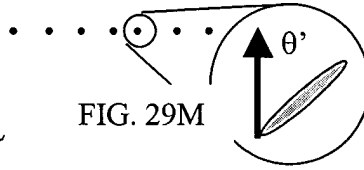


FIG. 29M

FIG. 29B amplitude

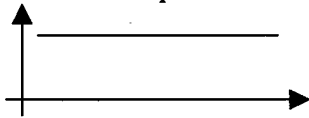


FIG. 29F amplitude

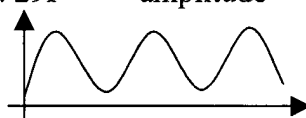


FIG. 29C polarization

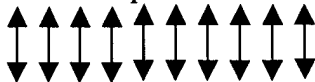


FIG. 29G polarization

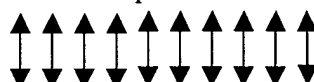
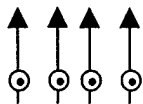
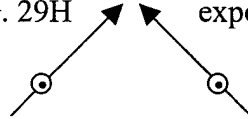


FIG. 29D exposure



Linear polarized  
blanket exposure

FIG. 29H exposure



Parallel linear

FIG. 29I Substrate 1

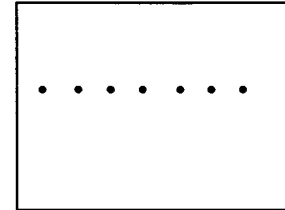


FIG. 29J Substrate 2

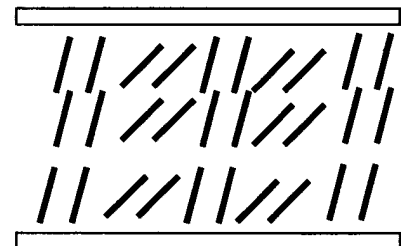
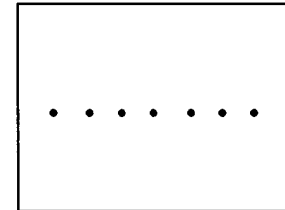


FIG. 29K

Cross-section of cell

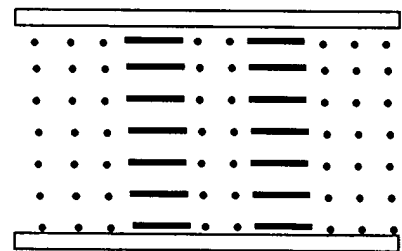
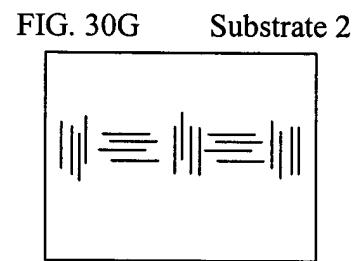
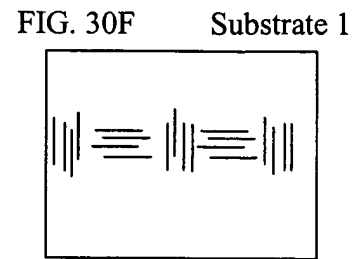
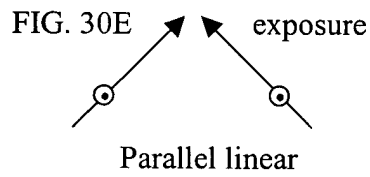
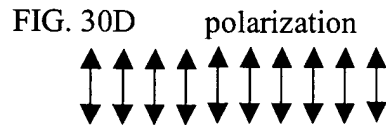
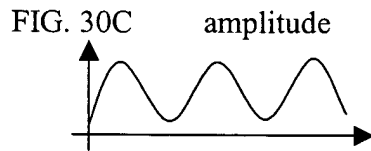
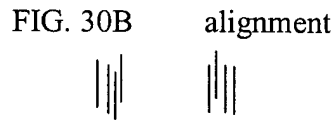
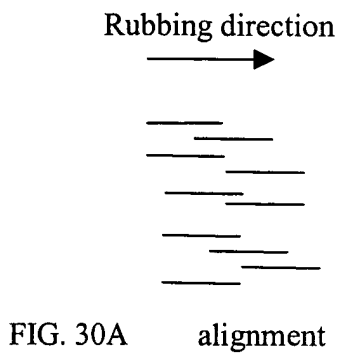


FIG. 30H  
Cross-section of cell

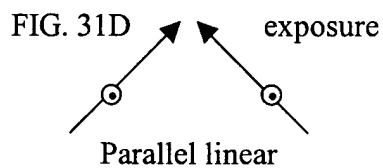
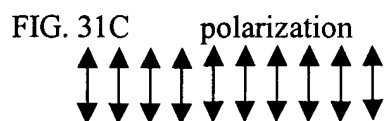
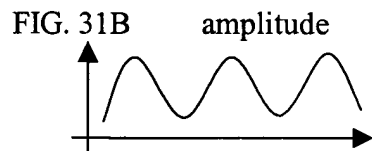
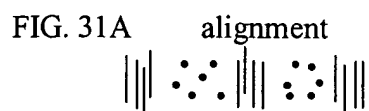


FIG. 31E Substrate 1

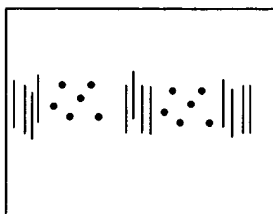


FIG. 31F Substrate 2

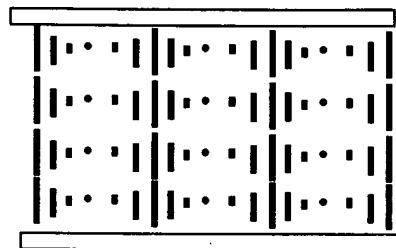
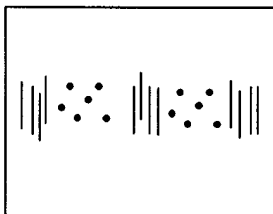


FIG. 31G  
Cross-section of cell